

Notice of Intent: NB687080-16-05292

Status: Open

Description of Contract Action: Control System for Model 107 Cryocooler

Post Date: 08/30/2016

Close Date: 09/03/2016

File Name: NB687080-16-05292 / Control System for Model 107 Cryocooler

Contact Points: Dennis Fuentes, Contract Specialist (303) 497.5573

Jo-Lynn Davis, Contracting Officer (303) 497-3764

This requirement is conducted under Federal Acquisition Regulation (FAR) 13.106-1(b). This is a notice of intent to negotiate on a sole source basis and is not a request for competitive proposals. Firms who want to challenge the sole source must submit an interest letter that demonstrates your firm's ability to provide an equivalent service as described below. Interested parties must provide rationale as to why they should be considered. All interested firms must respond to this special notice by 31 August 2016, 11:00am, Mountain Time to Dennis M. Fuentes at dennis.fuentes@nist.gov. Responses received will be assessed; however, a determination by the Government not to compete the proposed procurement based upon responses to this notice is solely within the discretion for the Government. Information received will normally be considered solely for the purpose of determining whether to conduct a competitive procurement. NIST will not reimburse for any costs connected with providing the capability information.

Description: The National Institute of Standards and Technology (NIST), intends to negotiate and award on a sole-source basis under the authority of FAR 13.106-1 (b) with High Precision Devices, Inc., in Boulder, Colorado. NIST purchased from High Precision Devices (HPD) a model 107 cryocooler in FY15. A new control system, s15018-Control System, is needed to allow the previously awarded cryocooler to operate at the temperature stability that is required for the detector arrays. The control system to be purchased must be compatible with the HPD model 107 cryocooler. The details of the wiring, cable pinouts, and signal specifications of the HPD model 107 cryocooler are proprietary information of HPD. The HPD s15018-Control System consists of the following:

1. Lakeshore 350 Temperature Controller, with expansion card;
2. Breakout Box, CryoBoss Interface Box and Cable Set;
3. Cernox temp sensors (300 mk, He-3 charcoal, 3 K stage), extra RuOx wiring;
4. and heaters to be controlled by LS 336;
5. UPS, APC # SURTA2200RMXL2U;
6. Battery Pack, APC # SURTA48RMXLBP2U; and
7. Expanded flexstrip feedthrough assembly for 11-slots.

Sole Source determination is based on the market research that shows only one vendor can comply to this critical process that meets all of the NIST technical requirements.

The NAICS code 334516 – Analytical Laboratory Instrument Manufacturing, and the Small Business Size Standard is 1,000 employees.

DELIVERABLES: HPD Model 107 K2 cryostat Control System Part Number s15018-Control System.